



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

7272 Cleanwater Lane, LU-11 • Olympia, Washington 98504-6811 • (206) 753-2353

August 29, 1985

Mr. Ed Ryf, Plant Manager
Pacific Wood Treating Corp.
111 West Division Street
P. O. Box 513
Ridgefield, Washington 98642

Dear Mr. Ryf:

Pacific Wood Treating Corporation
Ground Water Evaluation - Phase I


This department has completed review of the Ground Water Evaluation - Phase I Report. The Department of Social and Health Services Water Supply and Waste Section also reviewed and commented on the report. Their comments are enclosed. We have the following comments for your consideration during Phase II of the ground water evaluation study:

1. The flow direction of ground water underlying the PWT property must be determined under static and pumping conditions. The flow of ground water depends on many factors, including the geologic structure and the prevailing recharge and/or discharge phenomena operating on the boundaries and within the systems. We require that you establish as many hydrological monitoring wells as necessary to construct the potentiometric maps for both static flow conditions and during pumping. Those monitoring wells can be dedicated for reading piezometric heads only and do not need to be equipped for water quality monitoring.
2. For water quality monitoring, we propose four wells in addition to your proposed three monitoring wells (see enclosed map). These monitoring wells are located in areas of past and present PWT waste disposal practices. We concur with your consultant that a full K001 pollutant screening is probably not necessary, and only indicator pollutants should be used such as pentachlorophenol, anthracene, chrysene, penanthrene, chrome, and arsenic. Your list of conventional water quality parameters should also include total hardness. Please propose the detailed monitoring program prior to the beginning of Phase II.



3. We welcome your proposal to do an aquifer testing using town well 24-4 as the pumping well and monitoring wells 24-5, 13-6, 24-1, 24-2, and the newly constructed wells. Rather than testing for PCP and naphthalene in the city well, we recommend you use an appropriate trace substance at higher concentration. In the past, analysis for PCP and naphthalene in samples taken from the city wells have been inconclusive due to the fact that concentrations were in the detection limit range only.
4. Since the existing well logs do not give us sufficiently detailed geological information necessary to determine the presence or absence of aquitards beneath the PWT site, it is recommended to drill one exploratory well deeper until the confining layer is encountered. Also, it should be clarified through the exploratory drilling whether the aquifer in the Troutdale formation is under confining pressure and where the upper and lower confining layers are.
5. We concur with your recommendation to remove and clean the pump, well head area, and casing of PWT production well 24-2, in case PCP is still found in concentrations above detection limit.

Please revise the scope of works for Phase II as soon as possible and resubmit to us. Should you have any questions regarding this letter, please contact Gunter Brox at (206) 754-2711.

Sincerely,

Clark Haberman
Southwest Regional Manager

CH:sk(13/H)

cc: Sweet, Edwards & Associates, Kelso
Eric Egbers, WDOE
Karl Johnson, DSHS
Paul Snoey, Town of Ridgefield

Enclosure

KAREN RAHM
Secretary



STATE OF WASHINGTON
DEPARTMENT OF SOCIAL AND HEALTH SERVICES

Olympia, Washington 98504-7512

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MEMO

TO: Gunter Brox
Department of Ecology
Southwest Regional Office
Mail STOP LU-11

FROM: Karl Johnson *KJ*
Department of Social and Health Services
Water Supply and Waste Section
Mail Stop LD-11

DATE: August 8, 1985

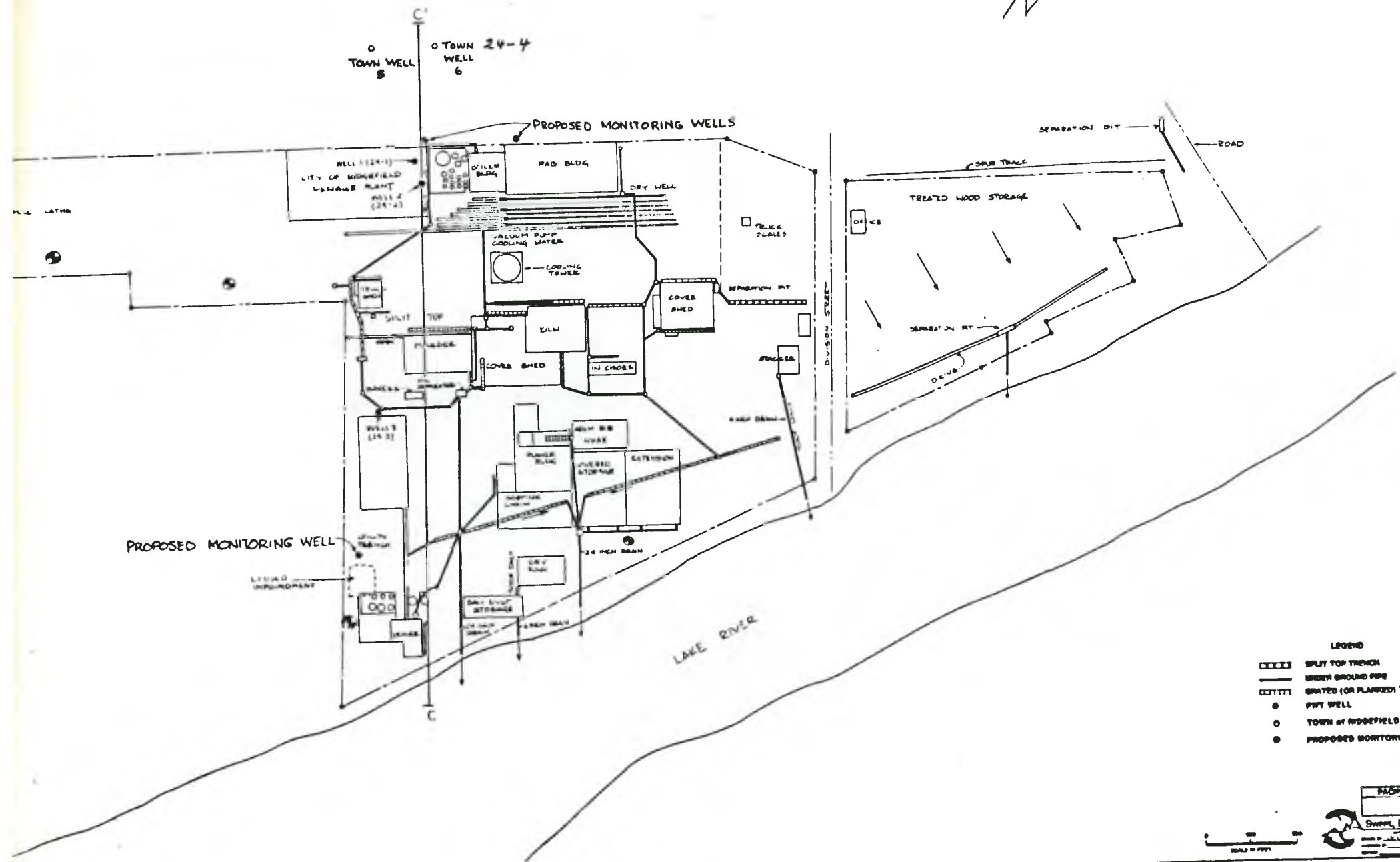
SUBJECT: PWT GROUND WATER MONITORING PLAN, RIDGEFIELD, CLARK COUNTY

Thank you for letting me review this document. I am sending a copy of the Findings and Recommendations to Paul Snoey in Ridgefield, along with a copy of this memo. I am sure he would also be interested in your comments on this plan. I would be interested in results of the May 29, 1985 sampling of the PWT well, and other subsequent testing and reports.

Regarding the monitoring plan, the proposed three new monitoring wells seem like a pretty minimal number, and with only one monitoring well on the downstream side, it seems like this could completely miss a significant pollutant plume. What do you think? Overall, the plan seems like a good start.

Thanks again for the help with the water samples for the Town's well. We look forward to seeing the results.

KJ:sb
cc: Paul Snoey, Town of Ridgefield
Sweet, Edwards and Associates, Inc.
Pacific Wood Treating Corporation
Southwest Washington Health District



- LEGEND
- SPLIT TOP TRENCH
 - UNDER GROUND PIPE
 - GRATED (OR PLANKED) TRENCH
 - PWT WELL
 - TOWN or RIDGEFIELD WELLS
 - PROPOSED MONITORING WELLS

SCALE IN FEET

PACIFIC WOOD TREATING
SITE PLAN
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